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L Number	Hits	Search Text	DB	Time stamp
1	2	(09/264874) and (sugiyama)	USPAT;	2004/08/19 10:58
			US-PGPUB;	
			EPO; JPO;	, ,
İ			DERWENT; IBM TDB	
2	35	ASP adj web adj Page\$5	USPAT;	2004/08/19 12:27
2	33	hor adj web adj rageto	US-PGPUB;	2004/00/15 12:2/
i			EPO; JPO;	
			DERWENT;	
į			IBM_TDB	
3	2		USPAT;	2004/08/19 13:41
		near10 (Obtain\$5 receiv\$6 get\$5)near10	US-PGPUB;	
		(state) near10 (devic\$5 applianc\$5)) and	EPO; JPO;	
		((chang\$5 alter\$5 configur\$5) near5 (state)	DERWENT;	
4	0	near10 (devic\$5 applianc\$5)) ((one single unit) near3 (browser) near10	IBM_TDB	2004/08/19 12:35
4	U	(Obtain\$5 receiv\$6 get\$5)near10 (state)	USPAT; US-PGPUB;	2004/06/19 12:33
		near10 (devic\$5 applianc\$5)) and ((chang\$5	EPO; JPO;	
		alter\$5 configur\$5) near5 (state) near10	DERWENT;	
		(devic\$5 applianc\$5))	IBM TDB	
5	0	((one single unit) near10(browser) near10	USPAT;	2004/08/19 12:35
		(Obtain\$5 receiv\$6 get\$5)near10 (state)	US-PGPUB;	
		near10 (devic\$5 applianc\$5)) and ((chang\$5	EPO; JPO;	
		alter\$5 configur\$5) near5 (state) near10	DERWENT;	
_		(devic\$5 applianc\$5))	IBM_TDB	
6	0	((one singl\$5) near10(browser) near10	USPAT;	2004/08/19 12:36
		(Obtain\$5 receiv\$6 get\$5)near10 (state)	US-PGPUB;	
		near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10	EPO; JPO; DERWENT;	
		devic\$5 applianc\$5))	IBM TDB	
7	5	I	USPAT;	2004/08/19 12:41
	~	(Obtain\$5 receiv\$6 get\$5) near10 (state	US-PGPUB;	2004/00/15 12.41
ļ		status configur\$6) near10 (devic\$5	EPO; JPO;	
		applianc\$5)) and ((chang\$5 alter\$5	DERWENT;	
		configur\$5) near5 (state status configur\$6)	IBM_TDB	
		near10 (devic\$5 applianc\$5))		
8	33	, · · · · · · · · · · · · · · · · · · ·	USPAT;	2004/08/19 12:42
		get\$5)near10 (state status configur\$6)	US-PGPUB;	
		near10 (devic\$5 applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state status	EPO; JPO; DERWENT;	
		configur\$6) near10 (devic\$5 applianc\$5))	IBM TDB	
9	0	(09/746673) and chunguang	USPAT;	2004/08/19 13:11
		, , , , , , , , , , , , , , , , , , , ,	US-PGPUB;	2001/00/13 13:11
			EPO; JPO;	
			DERWENT;	
		(40.47.47.77.)	IBM_TDB	
10	0	(09/746673) and singh	USPAT;	2004/08/19 13:11
			US-PGPUB;	
			EPO; JPO;	
ļ			DERWENT; IBM TDB	
11	0	("09746673") and gurminder	USPAT;	2004/08/19 13:11
-	J	, , on gurmanuor	US-PGPUB;	2004/00/13 13:11
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
12	0	("09/746673") and gurminder	USPAT;	2004/08/19 13:12
			US-PGPUB;	
}			EPO; JPO;	
1			DERWENT;	
16	0	//DDOMCGD GODM/NDT/DACGD DRIVER DEDERGRAM	IBM_TDB	2004/00/20 22 22
-0	U	((BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (submit)	USPAT;	2004/08/19 13:37
		near10 (execut\$6) near10 (routin\$6)	US-PGPUB; EPO; JPO;	
		neullo (checutyo) neullo (loutingo)	DERWENT;	
1			IBM TDB	
ļ			_	0004/00/50 55 55
17	0	((BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT)	USPAT	1 2004/08/19 13:15
17	0	((BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (submit\$5)	USPAT; US-PGPUB;	2004/08/19 13:15
17	0		USPAT; US-PGPUB; EPO; JPO;	2004/08/19 13:15
17	0	and (NETWORK ADJ (MANAG\$4))) and (submit\$5)	US-PGPUB;	2004/08/19 13:15

18	20	((BROWSER FORM) ADJ (BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (execut\$6)	USPAT; US-PGPUB;	2004/08/19 13:15
		near10 (routin\$6)	EPO; JPO; DERWENT; IBM TDB	
19	270	(BROWSER FORM) ADJ (BASED DRIVEN DEPENDENT)	USPAT;	2004/08/19 13:37
		and (NETWORK ADJ (MANAG\$4))	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
20	203	(BROWSER)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB;	2004/08/19 13:19
		(NEIWORK ADD (MANAGQ4))	EPO; JPO;	
			DERWENT; IBM_TDB	
21	108	(FORM)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB;	2004/08/19 13:19
		(-12-1.0011 -2-0 (-12-1.00)	EPO; JPO;	
			DERWENT; IBM_TDB	
22	0	(FORM)ADJ(BASED DRIVEN DEPENDENT) near15 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB;	2004/08/19 13:19
			EPO; JPO; DERWENT;	
23	1	(BROWSER)ADJ(BASED DRIVEN DEPENDENT) near15	IBM_TDB USPAT;	2004/08/19 13:21
		(NETWORK ADJ (MANAG\$4))	US-PGPUB; EPO; JPO;	,
			DERWENT;	
24	2	(associat\$5 excut\$5 connect\$5) near10	<pre>IBM_TDB USPAT;</pre>	2004/08/19 13:23
		(routin\$5 program\$5) near10 (submit adj button)	US-PGPUB; EPO; JPO;	
		Buccom ,	DERWENT;	
25	11		IBM_TDB USPAT;	2004/08/19 13:23
		(routin\$5 program\$5 method) near10 (submit adj button)	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
26	11	(associat\$5 excut\$5 connect\$5) near10	USPAT;	2004/08/19 13:31
		(routin\$5 program\$5 method\$5) near10 (submit adj button)	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
27	10	(associat\$5 excut\$5) near10 (routin\$5	USPAT;	2004/08/19 13:32
		program\$5 method\$5) near10 (submit adj button)	US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
28	12	(associat\$5 excut\$5) near15 (routin\$5 program\$5 method\$5) near15 (submit adj	USPAT; US-PGPUB;	2004/08/19 13:32
		button)	EPO; JPO;	
			DERWENT; IBM_TDB	
29	0	((web)ADJ(BASED DRIVEN DEPENDENT) and (NETWORK ADJ (MANAG\$4))) and (submit) near10	USPAT; US-PGPUB;	2004/08/19 13:37
		(execut\$6) near10 (routin\$6)	EPO; JPO;	
			DERWENT; IBM_TDB	
30	16	<pre>(web)ADJ(BASED DRIVEN DEPENDENT) near15 (NETWORK ADJ (MANAG\$4))</pre>	USPAT; US-PGPUB;	2004/08/19 13:37
			EPO; JPO;	
		 	DERWENT; IBM_TDB	
31	0	(((web)ADJ(based)) near10 (Obtain\$5 receiv\$6 get\$5)near10 (state) near10 (devic\$5	USPAT; US-PGPUB;	2004/08/19 13:48
		applianc\$5)) and ((chang\$5 alter\$5 configur\$5) near5 (state) near10 (devic\$5	EPO; JPO;	
		applianc\$5))	DERWENT; IBM TDB	

32	0	(((web)near5(based dependent\$5)) near10	USPAT;	2004/08/19 13:48
		(Obtain\$5 receiv\$6 get\$5)near10 (state)	US-PGPUB;	
	1	near10 (devic\$5 applianc\$5)) and ((chang\$5	EPO; JPO;	
		alter\$5 configur\$5) near5 (state) near10 (devic\$5 applianc\$5))	DERWENT; IBM TDB	
33	. 4	((web-based) near10 (network near5 manag\$5))	USPAT;	2004/08/19 13:58
		and ((Obtain\$5 receiv\$6 get\$5)near10 (state)	US-PGPUB;	
		near10 (devic\$5 applianc\$5)) and ((chang\$5	EPO; JPO;	
		alter\$5 configur\$5) near5 (state) near10	DERWENT;	
24	0	(devic\$5 applianc\$5))	IBM_TDB	2004/08/19 13:59
34	.	((web-based) near10 (network near5 devic\$5 near10 manag\$5)) and ((Obtain\$5 receiv\$6	USPAT; US-PGPUB;	2004/08/19 13:59
		get\$5)near10 (state) near10 (devic\$5	EPO; JPO;	
		applianc\$5)) and ((chang\$5 alter\$5	DERWENT;	
		configur\$5) near5 (state) near10 (devic\$5	IBM_TDB	
	24	applianc\$5))	IIGDAM.	2004/00/10 10 55
_	24	((configur\$4) near10 (network adj devic\$2)) and forms and (script\$4 adj language)	USPAT; US-PGPUB;	2004/08/19 10:55
		and forms and (scripe) adj ranguage	EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	
_	418283	(((configur\$4) near10 (network adj devic\$2))	USPAT;	2004/03/22 14:01
1		and forms and (script\$4 adj language)) and 709/220, 221, 223, 224.ccls.	US-PGPUB; EPO; JPO;	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DERWENT;	
			IBM_TDB	
-	6297	709/220,221,223,224.ccls.	USPAT;	2004/03/22 16:59
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	5	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/08/19 13:08
		near10 (network adj devic\$2)) and forms and	US-PGPUB;	
		(script\$4 adj language))	EPO; JPO; DERWENT;	
			IBM TDB	
_	704	((configur\$4) near2 (network adj device))	USPAT;	2004/03/23 11:59
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	258	1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT;	2004/03/23 11:59
		device)) near2 (state information	US-PGPUB;	
		configur\$5)	EPO; JPO; DERWENT;	
			IBM TDB	
-	106	(((obtain\$4 receiv\$4) near2 (network adj	USPAT;	2004/03/22 14:09
		device)) near2 (state information	US-PGPUB;	
		configur\$5)) and (((configur\$4) near2	EPO; JPO;	
		(network adj device)))	DERWENT; IBM TDB	
	33	((((obtain\$4 receiv\$4) near2 (network adj	USPAT;	2004/03/22 14:09
		device)) near2 (state information	US-PGPUB;	'
		configur\$5)) and (((configur\$4) near2	EPO; JPO;	
		<pre>(network adj device))) and ((user operator) adj interface)</pre>	DERWENT; IBM TDB	
_	68		USPAT;	2004/03/22 17:00
		near2 (state information configur\$5)	US-PGPUB;	, , , , , , , , , , , , , , , , , , ,
			EPO; JPO;	
			DERWENT;	
_	28	709/220,221,223,224.ccls. and((obtain\$4)	IBM_TDB USPAT;	2004/03/22 16:00
		near2 (network adj device)) near2 (state	US-PGPUB;	
		information configur\$5)	EPO; JPO;	
			DERWENT;	
=.	0	709/220,221,223,224.ccls. and (button field	IBM_TDB USPAT;	2004/03/22 16:09
		window) and (requestquerystring) and	US-PGPUB;	2001/03/22 10:09
	[(requestform)	EPO; JPO;	
		' •	, ,	
			DERWENT; IBM TDB	,

Page 3

	-	0	709/220,221,223,224.ccls. and	USPAT;	2004/03/22 16:09
			(requestquerystring)and (requestform)	US-PGPUB;	1
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
	_	0	(requestquerystring) and (requestform)	USPAT;	2004/03/22 16:15
			, , 1 1 , , , , , ,	US-PGPUB;	1 ' '
				EPO; JPO;	
ł				DERWENT;	
				1	
		404405	(IBM_TDB	2004/02/22 16 10
	-	494495	(request query string) and (request form)	USPAT;	2004/03/22 16:10
				US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM_TDB	
	_	5245	((request query string)and (request form))	USPAT;	2004/03/22 16:10
			and 709/220,221,223,224.ccls.	US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
	_	27	(((request query string) and (request form))	USPAT:	2004/03/22 16:10
			and 709/220,221,223,224.ccls.) and	US-PGPUB;	2001,03,22 10.10
			(((obtain\$4) near2 (network adj device))		
			near2 (state information configur\$5))	EPO; JPO;	
	•		nearz (State Information Configurab)	DERWENT;	
		_	/ramagh managhaine) 3 /	IBM_TDB	0004/00/00 =======
	-	1	(request.querystring)and (request.form)	USPAT;	2004/03/22 16:59
				US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
	-	1361	709/220,221,223,224.ccls. and (GUI	USPAT;	2004/03/22 17:00
			(graphical adj user adj interface))	US-PGPUB;	
				EPO; JPO;	
				DERWENT;	
				IBM TDB	
	_	7	(709/220,221,223,224.ccls. and (GUI	USPAT;	2004/03/22 17:00
- -			(graphical adj user adj interface))) and	US-PGPUB;	2001/03/22 17:00
1			((obtain\$4) near2 (network adj device))	EPO; JPO;	
			near2 (state information configur\$5)	DERWENT;	
1			nearz (seace information configurat)	1	1
-	_			TDM TTDD	
		E 2	/700/220 221 222 224 gglg and /gitt	IBM_TDB	2004/02/22 10 52
-	_	52	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/23 10:52
	_	52	(graphical adj user adj interface)))	USPAT; US-PGPUB;	2004/03/23 10:52
	-	52		USPAT; US-PGPUB; EPO; JPO;	2004/03/23 10:52
į	_	52	(graphical adj user adj interface)))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/23 10:52
			(graphical adj user adj interface))) and((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
	-	52	(graphical adj user adj interface)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/03/23 10:52
	-		(graphical adj user adj interface))) and((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	
	-		(graphical adj user adj interface))) and((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	
	-		(graphical adj user adj interface))) and((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	
	-		(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 14:07
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/03/23 14:07
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/03/23 14:07
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/23 14:07
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 14:07 2004/03/23 11:26
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/03/23 14:07
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/03/23 14:07 2004/03/23 11:26
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/03/23 14:07 2004/03/23 11:26
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/03/23 14:07 2004/03/23 11:26
	- -	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4)) BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 14:07 2004/03/23 11:26 2004/03/23 11:26
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4)) BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT (BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/23 14:07 2004/03/23 11:26
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4)) BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/03/23 14:07 2004/03/23 11:26 2004/03/23 11:26
	-	0	(graphical adj user adj interface))) and((configur\$4) near2 (network adj device)) "09223565" and lindhorst ((BROWSER FORM)NEAR2 (BASED DRIVEN DEPENDENT)) NEAR2 (NETWORK ADJ (MANAG\$4)) BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT (BROWSER FORM)ADJ(BASED DRIVEN DEPENDENT)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/03/23 14:07 2004/03/23 11:26 2004/03/23 11:26
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Awareness and the WWW: an overview

Olivier Liechti

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December 2000 ACM SIGGROUP Bulletin, Volume 21 Issue 3

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The notion of awareness has received a lot of attention in the CSCW literature for quite some time now. Because it cannot be very precisely and uniquely defined, this notion covers a range of issues and is critical in very different situations. This is also true in the particular context of the WWW, where awareness has more than one facet. One objective for this paper is to give an overview of the field, by reviewing different awareness categories and by showing how they relate to Web-based syst ...

Keywords: CSCW, WWW, activity space, awareness, contextual awareness, group awareness, implementation platform, peripheral awareness, workspace awareness

² The Satchel system architecture: mobile access to documents and services Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming December 2000 Mobile Networks and Applications, Volume 5 Issue 4

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Mobile professionals require access to documents and document‐ related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face‐to‐face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

Interpersonal trust and common ground in electronically mediated communication Steve Greenspan, David Goldberg, David Weimer, Andrea Basso December 2000 Proceedings of the 2000 ACM conference on Computer supported cooperative work



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Communication and commerce by web or phone creates benefits and challenges for both

buyer and seller. Websites provide convenience and visualization; telephones provide voice and real-time interaction. To combine key elements of these experiences, we developed PhoneChannel. Using PhoneChannel, a PC user while talking on the telephone can display visuals on the other person's television. How do these different media affect the consumer experience? In a recent laboratory study, prospective ho ...

Keywords: WWW, consumers, conversation, telephony, television

4 Evolution of Contact Point: a case study of a help desk and its users Lena Mamykina, Catherine G. Wolf



December 2000 Proceedings of the 2000 ACM conference on Computer supported cooperative work

Additional Information: full citation, abstract, references, index terms Full text available: pdf(226.62 KB)

This paper describes the evolution of a concept, Contact Point, the research process through which it evolved, and the work context and practices which drove its evolution. Contact Point is a web-based application that helps a business manage its relationships with its customers. It can also be used within a business as a means for managing the relationship between parts of the business. In this paper we describe a study of the applicability of Contact Point to the technical services organi ...

Keywords: case study, design process, help desk, user needs, user-centered design

5 WebSplitter: a unified XML framework for multi-device collaborative Web browsing Richard Han, Veronique Perret, Mahmoud Naghshineh December 2000 Proceedings of the 2000 ACM conference on Computer supported cooperative work



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WebSplitter symbolizes the union of pervasive multi-device computing and collaborative multi-user computing. WebSplitter provides a unified XML framework that enables multidevice and multi-user Web browsing. WebSplitter splits a requested Web page and delivers the appropriate partial view of each page to each user, or more accurately to each user's set of devices. Multiple users can participate in the same browsing session, as in traditional conferencing groupware. Depending on the acc ...

Keywords: PDA, XML, co-browsing, collaboration, groupware, middleware, multi-device, partial view, pervasive, proxy, remote control, service discovery, wireless

6 Identifying information network profiles for planning management Saad Haj Bakry, Fahed Haj Bakry



November 2000 International Journal of Network Management, Volume 10 Issue 6

Full text available: pdf(283.60 KB)

Additional Information: full citation, abstract, references, citings, index terms

The increasing need for information networks and the increasing change affecting these networks are making their development and planning increasingly sophisticated. This paper attempts to identify a comprehensive information profile for such networks, and discuss its use for enhancing the management of network development and supporting future planning decisions. Copyright © 2000 John Wiley & Sons, Ltd.

7 Challenges and approaches in providing QoS monitoring Yuming Jiang, Chen-Khong Tham, Chi-Chung Ko



November 2000	International	Journal	of Network	Management.	Volume 10 Issue 6
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This paper presents a brief survey of current QoS monitoring-related mechanisms, followed by a discussion of the challenges involved in providing QoS distribution monitoring. Several approaches are then proposed to meet these challenges. Finally, the issues that remain open are discussed. Copyright © 2000 John Wiley & Sons, Ltd.

8 Annotation-based transcoding for nonvisual web access

Chieko Asakawa, Hironobu Takagi

November 2000 Proceedings of the fourth international ACM conference on Assistive technologies

Full text available: 📆 pdf(451.21 KB) Additional Information: full citation, references, citings, index terms

Keywords: blind, commentary annotation, nonvisual web access, structural annotation, transcoding system

9 Models for reader interaction systems

Daniel Berleant

November 2000 Proceedings of the ninth international conference on Information and knowledge management

Full text available: pdf(210.85 KB) Additional Information: full citation, references, index terms

Keywords: browsers, browsing, foraging, metaphors, models, navigation, paradigms, reading, text

10 Collaborative proxy system for distributed Web content transcoding

Valeria Cardellini, Philip S. Yu, Yun-Wu Huang

November 2000 Proceedings of the ninth international conference on Information and knowledge management

Full text available: pdf(251.02 KB) Additional Information: full citation, references, citings, index terms

11 Using high-speed WANs and network data caches to enable remote and distributed visualization

Wes Bethel, Brian Tierney, Jason lee, Dan Gunter, Stephen Lau

November 2000 Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)

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Visapult is a prototype application and framework for remote visualization of large scientific datasets. We approach the technical challenges of tera-scale visualization with a unique architecture which employs high speed WANs and network data caches for data staging and transmission. This architecture allows for the use of available cache and compute resources at arbitrary locations on the network. High data throughput rates and network utilization are achieved by parallelizing I/O at each ...

12 Designing for context: usability in a ubiquitous environment Jenna Burrell, Paul Treadwell, Geri K. Gay November 2000 Proceedings on the 2000 conference on Universal Usability

Full text available: pdf(914.37 KB)

Additional Information: full citation, abstract, references, citings, index

Freeing users from the desktop is now a practical reality in many environments. The implications for mobility are both far-reaching and under-realized in many of the current scenarios we have seen. Our work has focused on the integration of user input into the iterative design process used to develop a contextually aware application for use in an educational environment. We discuss the design and development of Semaphore, a contextually aware tool for use in wireless networked environments, a ...

Keywords: context-aware computing, mobile computing, social navigation

13 A scalable SNMP-based distibuted monitoring system for heterogeneous network computing



Rajesh Subramanyan, José Miguel-Alonso, José A. B. Fortes

November 2000 Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)

Full text available: pdf(171.64 KB) Additional Information: full citation, abstract, references, citings, index terms

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Traditional centralized monitoring systems do not scale to present-day large, complex, network-computing systems. Based on recent SNMP standards for distributed management, this paper addresses the scalability problem through distribution of monitoring tasks, applicable for tools such as SIMONE (SNMP-based monitoring prototype implemented by the authors). Distribution is achieved by introducing one or more levels of a dual entity called the Intermediate Level Manager (ILM) bet ...

14 A situated computing framework for mobile and ubiquitous multimedia access using small screen and composite devices



Thai-Lai Pham, Georg Schneider, Stuart Goose

October 2000 Proceedings of the eighth ACM international conference on Multimedia

Full text available: pdf(952.99 KB)

Additional Information: full citation, abstract, references, citings, index terms

In recent years, small screen devices, such as cellular phones or Personal Digital Assistants (PDAs), enjoy phenomenal popularity. PDAs can be used to complement traditional computing systems to access personal multimedia information beyond the usage as digital organizers. However, due to the physical limitations accessing rich multimedia contents and diverse services using a single PDA is more difficult. Hence, the Situated Computing Framework (SCF) research project at Siemens Corporate Rese ...

Keywords: WWW, composite devices, mobile and ubiquitous computing, situated computing

15 The good, the bad, and the muffled: the impact of different degradations on Internet speech



Anna Watson, M. Angela Sasse

October 2000 Proceedings of the eighth ACM international conference on Multimedia

Full text available: 📆 pdf(696.99 KB) Additional Information: full citation, abstract, references, index terms

This paper presents an experiment comparing the relative impact of different types of

degradation on subjective quality ratings of interactive speech transmitted over packetswitched networks. The experiment was inspired by observations made during a largescale, long-term field trial of multicast conferencing. We observed that user reports of unsatisfactory speech quality were rarely due to network effects such as packet loss and jitter. A subsequent analysis of conference recordings found t ...

Keywords: Internet audio, media quality assessment, multicast conferencing, speech, subjective assessment

16 Experimental evaluation of forward error correction on multicast audio streams in wireless LANs



Philip K. McKinley, Suraj Gaurav

October 2000 Proceedings of the eighth ACM international conference on Multimedia

Full text available: pdf(416.65 KB) Additional Information: full citation, abstract, references, index terms

This paper describes an experimental study of a proxy service to enhance interactive multicast audio streams when transmitted across wireless local area networks. The architecture of the proxy is presented, followed by results of a performance study conducted on a mobile computing testbed. The main contribution of the paper is to evaluate the effectiveness of forward error correcting codes on improving the quality of audio channels for collaborating mobile users.

17 Building an enterprise Web infrastructure using Windows 2000



Charles Brophy

October 2000-Proceedings of the 28th annual ACM SIGUECS conference on User services: Building the future

Full text available: pdf(188.19 KB) Additional Information: full citation, index terms

18 Innovative engineering learning center: design concepts and outcomes John N. Murphy, Alan Russell, Anthony B. Jones



Full text available: 📆 pdf(894.34 KB) Additional Information: full citation, references, index terms

Keywords: active learning, collaborative learning, networking, team-based activities

19 Centralized directory services and accounts management project Rob Murawski



Full text available: pdf(120.78 KB) Additional Information: full citation, index terms

Keywords: authentication, directory service, public key infrastructure, security, single sign-on

20 Model-driven development of Web applications: the AutoWeb system Piero Fraternali, Paolo Paolini



October 2000 ACM Transactions on Information Systems (TOIS), Volume 18 Issue 4

Full text available: pdf(6.94 MB)

Additional Information: full citation, abstract, references, citings, index

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

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